

CAST-IN-ANTI-ROTATION FEATURE FOR ENGINE COMPONENTS
SUBJECT TO MOVEMENT

ABSTRACT

A manifold anti-rotation system for engines includes a manifold having an end for interfacing with a manifold interface portion of an engine cylinder head, and a mounting collar. The manifold includes a protrusion extending from a periphery of the manifold end. The mounting collar comprises a collar body having a central aperture defined by an aperture wall wherein the aperture receives the manifold end therein. The mounting collar further includes a projection extending from a top surface thereof. The manifold protrusion and the collar projection are positioned to abut one another to prevent the manifold from rotating with respect to the mounting collar beyond the manifold protrusion.